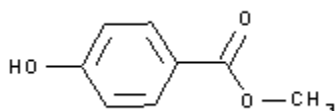


PRODUCT CODE: 143332

Methyl 4-Hydroxybenzoate (USP-NF, BP, Ph. Eur., JP) pure, pharma grade

$C_8H_8O_3$



M.= 152,15

CAS [99-76-3]

EINECS 202-785-7

TARIC 2918 29 00 90

SYNONYMS: 4-Hydroxybenzoic Acid Methyl Ester, Methyl Paraben, Methyl p-Hydroxybenzoate

PHYSICAL DATA: crystalline powder, White, in water at 20°C M.P.: 131 °C • B.P.: 270 °C • pH5,8 •

BIBLIOGRAPHY: Merck Index **12**, 6.182 13, 6.129 Sax **HJL500** • Safety **2**, **1908 D** • Beilstein **10**, **158 IV**, **360** • BRN 509801 • BP.**2023** • USP -**NF 38** • Ph. Eur. **10.0** (2019) **11.0** (2023) • F.C.C **12 13** • Royal Decree I1422 • BOE **24227980(9-10-82)****171984(20-01-1998)****243(8-10-2009)** • Regulation (EU) n° 231/2012 •

HAZARDOUS: RTECS: DH 2450000 • LD50 oral rbt 6.000 mg/kg • LD50 ipr mus 960 mg/kg

SPECIFICATIONS:

Assay	99,0-100,5%
Identity :	
Identity according to Pharmacopoeias:	passes test
A 1% , 1 cm, λ 258 nm	1040-1120
Melting range	125-128°C
T.L.C.	passes test
Maximum limit of impurities	
Appearance and colour of solution	passes test
Acidity	passes test

Insoluble matter in C ₂ H ₅ OH 96%	passes test
Residue on ignition (as SO ₄)	0,1 %
Residual solvents (Ph.Eur/USP)	passes test
Related substances:	
Impurity A (4-Hidroxibenzoic Acid)	0,5 %
Unspecified impurities	0,5 %
Total impurities	1,0 %
Heavy metals (as Pb)	0,0020 %

Elemental impurities (ICH Q3D):

Class 1	
Cd	0,5 ppm
Pb	0,5 ppm
As	1,5 ppm
Hg	5 ppm
Class 2A	
Co	5 ppm
V	10 ppm
Ni	20 ppm
Class 2B	
Tl	0,8 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm
Class 3	
Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm